

WHAT IS CLAIMED IS:

1. An electronic camera comprising:
  - imaging means for imaging an image of an object;
  - first image creating means for creating a first
  - 5 image based on the image imaged by said imaging means;
  - operating means for setting information indicating a predetermined process;
  - first transmission means for transmitting the first image and the information indicating the
  - 10 predetermined process to a center via a communication line;
  - reception means for receiving an image transmitted from the center according to a processing result of the first image;
  - 15 display means for displaying the image received by the reception means; and
  - second transmission means for transmitting to the center a second image having a larger number of pixels than an image corresponding to the first image.
- 20 2. The electronic camera according to claim 1, wherein a processing set by said operating means is a synthesizing processing of an imaged image with a desired background image.
- 25 3. The electronic camera according to claim 1, wherein a processing set by said operating means is a synthesizing processing of a panorama image.
4. The electronic camera according to claim 1,

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further comprising background selection means for selecting a background image, wherein

5 said first transmission means transmits the first image created by said first image creating means and a data relating to a background image selected by said background image selection means to the center via the communication line,

10 said reception means receives a synthesized image by synthesizing the first image with the background image transmitted from the center, via the communication line, and

15 said second transmission means transmits to the center via the communication line the second image having a larger number of pixels than an image corresponding to the first image and the data relating to the background image selected by said background image selection means.

20 5. The electronic camera according to claim 4, wherein said background image selection means selects an arbitrary background image among background images received by said reception means and stored in the center.

25 6. The electronic camera according to claim 4, wherein the background image selected by said background image selection means is scrollable in at least one of a horizontal direction and a vertical direction.

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7. The electronic camera according to claim 1, wherein the first image is a reduced image of the image imaged by the imaging means, and the second image is an image before the reduction.

5           8. An electronic camera comprising:  
          imaging means for imaging an image of an object;  
          transmission means for transmitting to a center  
via a communication line a first image obtained by the  
imaging means; and

10           reception means for receiving via the  
communication line a predetermined data processed by  
the center based on the first image transmitted to the  
center, wherein

15           an imaging operation is performed by said imaging  
means based on the data received by said reception  
means, and

          the second image obtained through the imaging is  
transmitted to the center via the communication line.

20           9. The electronic camera according to claim 8,  
further comprising storage means for storing the images  
obtained by said imaging means, wherein

          an imaging is performed by said imaging means  
based on a data received by said reception means, and  
at least one of transmission of the second image

25           obtained by the imaging to the center via the  
communication line and storage thereof in said storage  
means is performed.

10. The electronic camera according to claim 8,  
wherein a size of the first image is smaller than that  
of the second image.

5 11. The electronic camera according to claim 8,  
wherein the data is a synthesized image of a principal  
portion of the first image and a background image  
stored in advance at the center.

10 12. The electronic camera according to claim 8,  
wherein the data is a synthesized image of an image  
obtained by previously imaging and an image transmitted  
to the center.

15 13. An imaging system comprising an electronic  
camera for imaging an object and a center for  
processing an image, said electronic camera and said  
center being connected with each other via a  
communication line, wherein

20 said center includes: center-side reception means  
for receiving an image and an information indicating a  
predetermined process to be performed to the image;  
processing means for performing a predetermined process  
to the received image based on the information received  
by the center-side reception means; and center-side  
transmission means for transmitting a result of the  
processing performed by said processing means, and

25 said electronic camera includes: imaging means for  
imaging an object; first image creating means for  
creating a first image based on an image imaged by said

imaging means, operating means for setting information indicating a predetermined process, first camera-side transmission means for transmitting the first image and the information indicating the predetermined process to  
5 the center; camera-side reception means for receiving a result of the processing transmitted from the center; display means for displaying the processing result received by the camera-side reception means; and second camera-side transmission means for transmitting to the  
10 center a second image corresponding to the first image and having a larger number of pixels than the first image.

14. An imaging system comprising an electronic camera for imaging an object and a center for  
15 processing an image, said electronic camera and said center being connected via a communication line, wherein

said center includes: center-side reception means for receiving an image and a background image with  
20 respect to the image; processing means for synthesizing the image and the background image received by the center-side reception means; and center-side transmission means for transmitting a result of the processing performed by said processing means, and

25 said electronic camera includes: imaging means for imaging an object; background selection means for selecting a background image; first image creating

means for generating a first image based on the image  
imaged by the imaging means; first camera-side  
transmission means for transmitting to the center the  
first image created by said first image creating means  
5 and a data relating to a background image selected by  
said background image selection means; camera-side  
reception means for receiving a result of the process  
transmitted from the center; display means for  
displaying a synthesized image received by said camera-  
10 side reception means; and second camera-side  
transmission means for transmitting to the center a  
second image corresponding to the first image and  
having a larger number of pixels than the first image  
together with the data relating to the selected  
15 background image.

15. An imaging system comprising an electronic  
camera for imaging an object and a center for  
processing an image, said electronic camera and said  
center being connected via a communication line,  
20 wherein

said center includes: center-side reception means  
for receiving an image; data generating means for  
generating a predetermined data based on the image  
received by said center-side reception means; and  
25 center-side transmission means for transmitting the  
data generated by said generating means, and

said electronic camera includes: imaging means for

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imaging an object; storage means for storing the image  
obtained by said imaging means; first camera-side  
transmission means for transmitting a first image  
imaged by said imaging means to the center; and camera-  
5 side reception means for receiving the data transmitted  
from the center, in which an imaging is performed based  
on the data received by said camera-side reception  
means, and a second image obtained through this imaging  
is stored in said storage means.

10 16. An imaging system comprising an electronic  
camera for imaging an object and a center for  
processing an image, said electronic camera and said  
center being connected via a communication line,  
wherein

15 said center includes: center-side reception means  
for receiving an image; data creating means for  
creating a predetermined data based on the image  
received by said center-side reception means; and  
center-side transmission means for transmitting the  
20 data generated by data creating means, and

said electronic camera includes: imaging means for  
imaging an object; camera-side transmission means for  
transmitting a first image imaged by said imaging means  
to the center; and camera-side reception means for  
25 receiving the data transmitted by the center, in which  
an imaging is performed based on the data received by  
said camera-side reception means, and a second image

obtained through the imaging is transmitted to the center.

17. An imaging method comprising:

imaging an object;

5       creating a first image based on the imaged image;

      setting information indicating a predetermined  
image processing;

      transmitting the first image and an information  
indicating a content of the predetermined image  
10       processing to a center via a communication line;

      receiving a result of a processing transmitted  
from the center via the communication line, after a  
predetermined processing is preformed to the first  
image based on the information indicating the image  
15       processing in said center;

      displaying the processing result received; and  
      transmitting to the center via the communication  
line a second image having a larger number of pixels  
than the image corresponding to the first image.

20       18. An imaging method comprising:

imaging an object;

selecting a background image;

generating a first image based on the imaged  
image;

25       transmitting the first image and a data about the  
selected background image to a center via a  
communication line;

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receiving a synthesized image transmitted from the center via the communication line, after synthesizing the first image with the selected background image in the center;

5        displaying the synthesized image received; and  
transmitting to the center via the communication line a second image corresponding to the first image and having a larger number of pixels than the first image together with the data relating to the selected  
10 background image.

19. An imaging method comprising:

imaging an object;  
storing the image obtained by an imaging;  
transmitting a first image obtained by the imaging  
15 to a center via a communication line;  
receiving a predetermined data processed in the center via the communication line based on the first image transmitted to the center;  
performing an imaging based on the received data;  
20 and  
storing a second image obtained by the imaging based on the received data.

20. An imaging method comprising:

imaging an object;  
25 receiving a predetermined data processed in the center via the communication line based on the first image transmitted to the center;

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performing an imaging based on the received data;  
and  
transmitting a second image obtained by the  
imaging based on the received data.

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